

**EAST Search History****EAST Search History (Prior Art)**

| Ref # | Hits | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------|------------------|---------|------------------|
| S291  | 1    | (ball near3 screw)<br>with piston with<br>chamber with sensor<br>with control  | US-PGPUB;<br>USPAT;<br>USOCR | SAME             | ON      | 2009/09/11 09:24 |
| S292  | 2    | ((ball near3 screw)<br>with piston)<br>(chamber with<br>sensor with control)   | US-PGPUB;<br>USPAT;<br>USOCR | SAME             | ON      | 2009/09/11 09:25 |
| S293  | 28   | ((ball near3 screw)<br>with piston) and<br>(chamber with<br>sensor with control)                                     | US-PGPUB;<br>USPAT;<br>USOCR | SAME             | ON      | 2009/09/11 09:25 |
| S294  | 157  | ((ball near3 screw)<br>with piston) and<br>(chamber with<br>pressure with (sens<br>\$4 or detect\$4))                | US-PGPUB;<br>USPAT;<br>USOCR | SAME             | ON      | 2009/09/11 09:55 |
| S295  | 18   | ("0745298"  <br>"0850589"  <br>"2702008"  <br>"4390322").PN. OR<br>("4761118").URPN.                                 | US-PGPUB;<br>USPAT;<br>USOCR | SAME             | ON      | 2009/09/11 10:36 |
| S296  | 0    | 317/36,38.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | SAME             | ON      | 2009/09/11 10:40 |
| S297  | 942  | 417/36,38.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | SAME             | ON      | 2009/09/11 10:40 |
| S298  | 178  | 417/200.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | SAME             | ON      | 2009/09/11 10:42 |
| S299  | 329  | 417/225.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | SAME             | ON      | 2009/09/11 10:42 |
| S300  | 212  | (intensifier or<br>(hydraulic near4<br>amplifier)) and<br>(chamber with<br>pressure with (sens<br>\$4 or detect\$4)) | US-PGPUB;<br>USPAT;<br>USOCR | SAME             | ON      | 2009/09/11 10:59 |

|      |     |  |                        |      |    |                  |
|------|-----|--|------------------------|------|----|------------------|
| S301 | 8   | S299 and (chamber with pressure with (sens\$4 or detect \$4))  | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/09/11 11:01 |
| S302 | 25  | ("2592836"   "2819835"   "3010641"   "4883409"   "4921306"   "5106268"   "5114314"   "5120199"   "5281100"   "5490383"   "5526962"   "5767883"   "5865602"   "6068448").PN. OR ("6068448"   "7080792").URPN. | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/09/11 11:16 |
| S303 | 88  | 417/44.3.ccls.   | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/09/11 11:22 |
| S304 | 283 | 417/251.ccls.  | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/09/11 11:23 |
| S305 | 583 | 417/536.ccls.  | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/09/11 11:24 |
| S306 | 5   | S305 and (pressure near5 (sens\$4 or detect\$4))   | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/09/11 11:24 |
| S307 | 0   | S304 (pressure near5 (sens\$4 or detect \$4))  | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/09/11 11:39 |
| S308 | 19  | S304 and (pressure near5 (sens\$4 or detect\$4))   | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/09/11 11:39 |
| S309 | 0   | 09/889550.app.   | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/09/11 12:11 |
| S310 | 9   | ("2819835"   "4921306"   "5106268"   "5114314"   "5120199"   "5281100"   "5490383"   "6068448").PN. OR ("7080792").URPN.   | US-PGPUB; USPAT; USOCR | SAME | ON | 2009/09/11 12:17 |

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|------|------|--|------------------------|------|-----|------------------|
| S311 | 523  | (control with pump with ((inlet or intake or input) near3 pressure near3 (sens \$4 or detect\$4)))             | US-PGPUB; USPAT; USOCR | SAME | ON  | 2009/09/11 12:18 |
| S312 | 187  | S311 and piston  | US-PGPUB; USPAT; USOCR | SAME | ON  | 2009/09/11 12:19 |
| S313 | 7    | S311 and (oxygenator or (oxygen near3 (pump or generator)))  | US-PGPUB; USPAT; USOCR | SAME | ON  | 2009/09/11 12:21 |
| S314 | 1087 | (oxygenator or (oxygen near3 (pump or generator))).ab.   | US-PGPUB; USPAT; USOCR | SAME | ON  | 2009/09/11 12:22 |
| S315 | 25   | S304 and (control with inlet with pressure)  | US-PGPUB; USPAT; USOCR | SAME | ON  | 2009/09/11 12:22 |
| S316 | 214  | 417/326.ccls.  | US-PGPUB; USPAT; USOCR | SAME | ON  | 2009/09/11 12:42 |
| S317 | 49   | 417/44.4.ccls.   | US-PGPUB; USPAT; USOCR | SAME | ON  | 2009/09/11 12:47 |
| S318 | 2    | ("4336001") or ("4227862").PN.   | US-PGPUB; USPAT; USOCR | OR   | OFF | 2009/09/11 12:49 |
| S319 | 0    | (control with start with pump with inlet with pressure) and (oxygenator or (oxygen near3 (pump or generator))) | US-PGPUB; USPAT; USOCR | SAME | ON  | 2009/09/11 12:54 |
| S320 | 6    | (control with start with pump with inlet with pressure) and (oxygenator or (oxygen near3 (pump or generator))) | US-PGPUB; USPAT; USOCR | SAME | ON  | 2009/09/11 12:54 |
| S321 | 493  | 417/38.ccls.   | US-PGPUB; USPAT; USOCR | SAME | ON  | 2009/09/11 12:55 |
| S322 | 271  | 417/41.ccls.   | US-PGPUB; USPAT; USOCR | SAME | ON  | 2009/09/11 12:57 |

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|------|-----|---|------------------------------|------|----|------------------|
| S323 | 416 | 417/44.2.ccls.                          | US-PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2009/09/11 13:01 |
| S324 | 895 | (pump with control)<br>and (oxygenator) | US-PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2009/09/11 13:09 |
| S325 | 247 | 417/199.2.ccls.                         | US-PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2009/09/11 13:17 |
| S326 | 178 | 417/200.ccls.                           | US-PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2009/09/11 13:18 |
| S327 | 42  | S325 and piston                         | US-PGPUB;<br>USPAT;<br>USOCR | SAME | ON | 2009/09/11 13:18 |

**9/14/2009 11:51:34 AM**

**H:\3746 Cases\ App 10-771843 Fluid Pump with dual piston and ball screw connection  
\10771843 search.wsp**